

Title (en)  
Inverter power supply for welding

Title (de)  
Wechselrichter-Leistungsversorgung für das Schweißen

Title (fr)  
Alimentation de puissance à onduleur pour le soudage

Publication  
**EP 0609900 B1 19960918 (EN)**

Application  
**EP 94101752 A 19940205**

Priority  
US 1426193 A 19930205

Abstract (en)  
[origin: EP0609900A2] A high frequency power supply for supplying a welding current through a choke to a welding station including an electrode element and a workpiece element. The power supply includes a first transformer with a first core and means for receiving on said first core a first secondary winding with the first core being magnetized in a first flux direction upon creation of first current pulse and a second transformer with a second core and means for receiving on said second core a second secondary winding with said second core being magnetized in a second flux direction upon creation of a second current pulse in the direction opposite to the first pulse. The first transformer is operated by a first capacitor means for applying a first voltage to the first transformer upon operation of a first switch means and the second transformer is operated by a second capacitor means for applying second voltage to the second transformer upon operation of a second switch means. A single rectifier charges the first and second capacitor means to a given total voltage and control means are provided for maintaining said first and second voltages generally equal.  
<IMAGE>

IPC 1-7  
**B23K 9/10**; **H02M 3/28**; **H02M 3/335**

IPC 8 full level  
**B23K 9/073** (2006.01); **B23K 9/10** (2006.01); **H02M 3/28** (2006.01); **H02M 9/00** (2006.01)

CPC (source: EP KR US)  
**B23K 9/1056** (2013.01 - EP US); **H02M 3/28** (2013.01 - EP KR US); **H02M 3/285** (2013.01 - EP US)

Cited by  
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BE DE ES FR GB IT NL PT SE

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